M^cDATA™

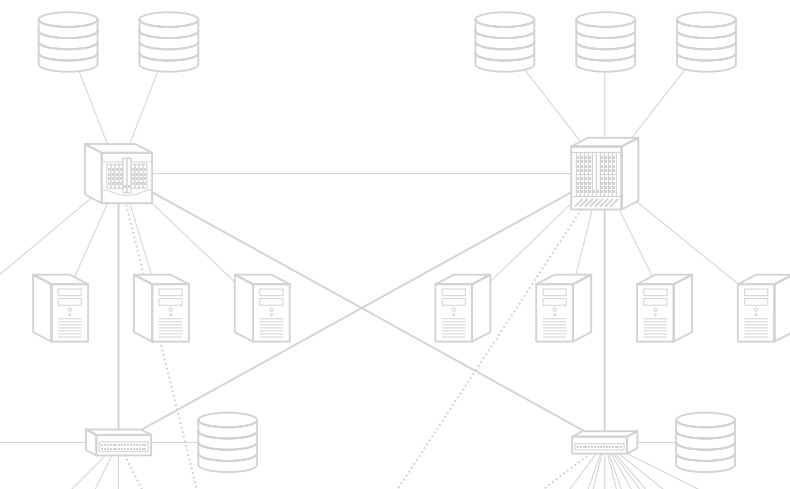# Sphereon™ 3232 Fabric Switch

The Sphereon 3232 offers:

- Connectivity-on-demand with McDATA's exclusive FlexPort technology
- On-line, HotCAT™ technology (non-disruptive code load and activation)
- 2Gb/s non-blocking connectivity
- Up to 120km distance support
- Hot-plug redundant power and cooling
- High port density (1.5u height)
- Online diagnostic and fault isolation tools for network-wide activity

SIMPLIFIED CONFIGURATION AND DESIGN

McDATA's Sphereon™ 3232 Fabric Switch is the industry's only 32-port switch with FlexPort connectivity-on-demand. McDATA's exclusive FlexPort technology lets you purchase only the port count you need today, while reserving port capacity for tomorrow. Additional ports can be activated quickly in 8-port increments without disruption.

Ideal for medium to large SAN applications, the Sphereon 3232 offers exceptional availability, management, and distance features. The Sphereon 3232 provides high performance with 2Gb/s non-blocking bandwidth for every port and incorporates availability previously found only on data center-class products.

The Sphereon 3232 now provides benefits for customers who need FICON at the edge of their storage network. FICON Control Unit Port (CUP) technology can be enabled in the Sphereon 3232, allowing FICON traffic to pass through the outer reaches of the SAN in-band. Users can create "edge" environments which closely resemble open systems, significantly lowering costs and improving SAN performance. For example, high availability FICON-enabled switches deployed at secondary sites can decrease the cost of disaster recovery. Additionally, Sphereon 3232 users can increase efficiency by implementing FICON tape consolidation for backup and recovery while reducing the associated connectivity cost.

Courtesy of

KCI
TeamKCI.com

Sphereon™ 3232 Fabric Switch

Availability
HotCAT™ on-line, non-disruptive firmware load and activation

FlexPort non-disruptive scalability in 8-port increments

Hot-plug redundant power supplies

Hot-plug redundant fans

Hot-plug optics

On-line diagnostics

Fault isolation tools for network-wide activity

Compatibility
Fibre Channel

Protocols:	FC-DA, FC-GS-4, FC-FS, FC-MI, FC-PI, FC-SW-3, FC-PH-3, FC-SB-2, FC-SB-3, FC-SWAPI
SNMP:	FC-MIB TCP/IP MIB II
Fibre Channel Classes of Service:	Class 2, 3, and F

Performance

Port Speed:	1.0625 - 2.125 Gb/s, full duplex
Aggregate Throughput:	128Gb/s
Latency:	Less than 2 microseconds average

Scalability

Ports per Chassis:	32 G Ports
Media Type:	Hot-plug, industry standard LC Small Form Factor
Distance Support:	120 km (1Gb/s), 60 km (2Gb/s)

Management Options
SANpilot™ Fabric Management – Browser-based

SANavigator® Software

Enterprise Fabric Connectivity (EFC) Manager SNMP

Open Systems Management Server

FICON Management Server

Management Access
In-band

Ethernet (10/100 Mb/s)

Fabric Services
Simple name server

In order delivery (Class 2, 3)

Management server (optional)

Broadcast

Name server zoning

Diagnostics
Power on self-test (POST)

On-line port, internal, and external loopback

On-line system health

Serviceability
Hot-plug power supplies & fans

Hot-plug optics

Hot-load firmware upgrades (HotCAT™)

Call-home, email (with McDATA software)

Maintenance port

Thermal protection

Unit, Port, FRU beaconing

System error LED

FRU failed LED

Physical Dimensions

Height:	2.6" (6.5 cm)
Width:	17.5" / 44.5 cm
Depth:	25.2" / 65.1 cm
Weight:	37 lbs. / 16.8 kg

Installation Options
Rack mountable, 19" EIA rack

Stackable tabletop

Environmental

Non-operating:	Temp:	40°F to 140°F
	Humidity:	5% - 80%
	Altitude:	40,000 ft (12,192 m)
Operating:	Temp:	40°F to 104°F
	Humidity:	8% - 80%
	Altitude:	10,000 ft (3,048 m)

Electrical

Operating Voltage:	100-240 VAC
AMPs:	1-3 AMPs @ 208 VAC
Watts:	245W max
Heat Output:	836 BTU/hr

Regulatory
UL, CSA, CE Mark, VCCI Class 1, FCC Part 15 Class

Courtesy of

www.mcdata.com

MC308.005